

**PATENT APPLICATION**

**RESPONSE UNDER 37 CFR §1.116  
EXPEDITED PROCEDURE  
TECHNOLOGY CENTER ART UNIT 3662**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Thierry BREDY

Group Art Unit: 3662

Application No.: 10/517,146

Examiner: B. GREGORY

Filed: December 7, 2004

Docket No.: 121891

For: METHOD OF CORRECTING THE TRAJECTORY OF A SPIN-STABILISED  
PROJECTILE AND PROJECTILE IMPLEMENTING ONE SUCH METHOD

**REQUEST FOR RECONSIDERATION AFTER FINAL REJECTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In reply to the March 29, 2007 Office Action, reconsideration of the above-identified application is respectfully requested in light of the following remarks. Claims 1-20 are pending.

Claims 1-20 are rejected under 35 U.S.C. §112, second paragraph, as being indefinite.

This rejection is respectfully traversed.

The Office Action asserts that the term "aerodynamic center" is indefinite and unclear in context. However, the term is well known to one of ordinary skill in the art as an inherent property of any flying object, as a point where the aerodynamic moment about the flying object remains constant. In other words, it is a point in a flying object about which all changes in lift on an object effectively acts. Read in the context of the claim, the

aerodynamic center is a point in the projectile where the aerodynamic moment is constant and all changes in the lift effectively act on the projectile.

As described in at least page 6, lines 5-20 of the specification, the location of the aerodynamic center  $F$  of the projectile is used in conjunction with the location of projectile center of gravity  $G$  to determine a static margin  $D_0$ , the reduction of which increases and corrects a projectile's drift. (Figs. 1a and 1b). Page 10, lines 30-35 of the specification also discloses that the aerodynamic center can be pushed back towards rear of the projectile in order to reduce the static margin and increase drift. Therefore, since the term, "aerodynamic center" is well known to one of ordinary skill in the art, and since the specification clearly describes the context in which the aerodynamic center of the projectile can be manipulated to correct the drift of the projectile, the term is definite and clear in the context of both the claim and the specification.

It is respectfully requested that the rejection be withdrawn.

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-20 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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WPB:JYL/tjx

Date: May 11, 2007

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